

PATENTING BY ORGANIZATIONS

2004



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U.S. PATENT AND TRADEMARK OFFICE
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A PATENT TECHNOLOGY MONITORING DIVISION REPORT

Patenting By Organizations 2004

This report, prepared from the Technology Assessment and Forecast (TAF) database, profiles utility patents (i.e., patents for inventions) granted during **calendar year 2004**.

Part A1

Part A1 presents patent counts by origin, U.S. and foreign. Individual counts are also presented for each of the top 36 patenting countries. Patent origin is determined by the residence of the first-named inventor listed on a patent.

Patent ownership-category information reflects ownership at the time of patent grant and does not reflect subsequent changes in ownership. If more than one assignee (the entity, if any, to which the patent rights have been legally assigned) was declared at the time of grant, a patent is attributed to the ownership-category of the first-named assignee. The "U.S. Corporations" and "Foreign Corporations" ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in these categories. While the "U.S. Government" ownership category includes only patents granted to the Federal Government, no such distinction is made for the "Foreign Government" ownership category. The "U.S. Individuals" and "Foreign Individuals" ownership categories include patents for which ownership was assigned to an individual as well as patents for which no assignment of ownership was made at the time of grant.

Part B1

Part B1 presents organizations that received 40 or more patents during the calendar year. Organizations are ranked based on their patent count. **Please note that because of the large number of organizations appearing in this report, the minimum number of annual patents received by a listed organization was raised from 30, for the 1997 report, to 40 for the 1998 and subsequent reports.**

Patent information included in **Part B1** of the report reflects patent ownership at the time of patent grant and does not reflect changes in ownership which may occur after the patent grant. Where more than one assignee exists, patents are attributed to the first-named assignee.

No attempt has been made to combine data based on subsidiary relationships. However, where possible, spelling variations and variations based on name changes (e.g., ESSO to EXXON) have been merged into a single name. While every effort is made to accurately identify all organizational entities and report data by a single organizational name, achievement of a totally clean record is not expected, particularly in view of the many variations which may occur in corporate identifications.

Patenting By The U.S. Government 2004

In **calendar year 2004**, the U.S. Government received 829 utility patents.

Under the section labeled "Ownership", **Part A1** presents the total count of patents received by the U.S. Government during the calendar year. Each of the separate U.S. Government agencies receiving 40 or more patents during the calendar year is listed in **Part B1**.

Part A1

(Patent Grants as Distributed By Year of Patent Grant)

Number of Utility Patents Granted By Year Of Patent Grant
 (Granted: Jan 01, 2004 - Dec 31, 2004)

<u>COUNTRY OF ORIGIN</u>	<u>2004</u>	<u>Total</u>
Total	164293	164293
U.S. Origin	84271	84271
Foreign Origin	80022	80022
JAPAN	35350	35350
GERMANY	10779	10779
TAIWAN	5938	5938
SOUTH KOREA	4428	4428
UNITED KINGDOM	3450	3450
FRANCE	3380	3380
CANADA	3374	3374
ITALY	1584	1584
SWEDEN	1290	1290
SWITZERLAND	1277	1277
NETHERLANDS	1273	1273
ISRAEL	1028	1028
AUSTRALIA	953	953
FINLAND	918	918
BELGIUM	612	612
AUSTRIA	540	540
SINGAPORE	449	449
DENMARK	414	414
CHINA P.REP.	404	404
INDIA	363	363
CHINA,HONG KONG S.A.R	311	311
SPAIN	264	264
NORWAY	243	243
IRELAND	186	186
RUSSIAN FEDERATION	169	169
NEW ZEALAND	142	142
BRAZIL	106	106
SOUTH AFRICA	100	100
MEXICO	86	86
MALAYSIA	80	80
HUNGARY	48	48
ARGENTINA	46	46
LUXEMBOURG	44	44
CZECH REPUBLIC	31	31
LIECHTENSTEIN	21	21
PHILIPPINES	21	21
Others (59)	320	320
Ownership:		
U.S. Corporations	73035	73035
U.S. Government	829	829
U.S. Individuals	12172	12172
Foreign Corporations	72778	72778
Foreign Government	79	79
Foreign Individuals	5400	5400

Percent of Utility Patents Granted By Year Of Patent Grant
 (Granted: Jan 01, 2004 - Dec 31, 2004)

<u>COUNTRY OF ORIGIN</u>	<u>2004</u>	<u>Total</u>
Total	100	100
U.S. Origin	51	51
Foreign Origin	49	49
JAPAN	22	22
GERMANY	7	7
TAIWAN	4	4
SOUTH KOREA	3	3
UNITED KINGDOM	2	2
FRANCE	2	2
CANADA	2	2
ITALY	1	1
SWEDEN	1	1
SWITZERLAND	1	1
NETHERLANDS	1	1
ISRAEL	1	1
AUSTRALIA	1	1
FINLAND	1	1
BELGIUM		0
AUSTRIA		0
SINGAPORE		0
DENMARK		0
CHINA P.REP.		0
INDIA		0
CHINA,HONG KONG S.A.R		0
SPAIN		0
NORWAY		0
IRELAND		0
RUSSIAN FEDERATION		0
NEW ZEALAND		0
BRAZIL		0
SOUTH AFRICA		0
MEXICO		0
MALAYSIA		0
HUNGARY		0
ARGENTINA		0
LUXEMBOURG		0
CZECH REPUBLIC		0
LIECHTENSTEIN		0
PHILIPPINES		0
Others (59)		0
Ownership:		
U.S. Corporations	44	44
U.S. Government	1	1
U.S. Individuals	7	7
Foreign Corporations	44	44
Foreign Government		0
Foreign Individuals	3	3

Part B1

**(Ranked Listing of Organizations with
Patent Grants Distributed By Year of Patent Grant)**

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
INTERNATIONAL BUSINESS MACHINES CORPORATION Patents By Year of Grant:	3248	3248
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Patents By Year of Grant:	1934	1934
CANON KABUSHIKI KAISHA Patents By Year of Grant:	1805	1805
HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Patents By Year of Grant:	1775	1775
MICRON TECHNOLOGY, INC. Patents By Year of Grant:	1760	1760
SAMSUNG ELECTRONICS CO., LTD. Patents By Year of Grant:	1604	1604
INTEL CORPORATION Patents By Year of Grant:	1601	1601
HITACHI, LTD Patents By Year of Grant:	1514	1514
TOSHIBA CORPORATION Patents By Year of Grant:	1311	1311
SONY CORPORATION Patents By Year of Grant:	1305	1305
FUJITSU LIMITED Patents By Year of Grant:	1296	1296
KONINKLIJKE PHILIPS ELECTRONICS N.V. Patents By Year of Grant:	1217	1217
FUJI PHOTO FILM CO., LTD Patents By Year of Grant:	1025	1025
GENERAL ELECTRIC COMPANY Patents By Year of Grant:	976	976
RENESAS TECHNOLOGY CORPORATION Patents By Year of Grant:	913	913
ROBERT BOSCH GMBH Patents By Year of Grant:	903	903
TEXAS INSTRUMENTS, INCORPORATED Patents By Year of Grant:	898	898
SEIKO EPSON CORPORATION Patents By Year of Grant:	839	839
NEC CORPORATION Patents By Year of Grant:	813	813
ADVANCED MICRO DEVICES, INC. Patents By Year of Grant:	802	802
INFINEON TECHNOLOGIES AG Patents By Year of Grant:	785	785
mitsubishi denki kabushiki kaisha Patents By Year of Grant:	781	781

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.) Patents By Year of Grant:	736	736
SIEMENS AKTIENGESELLSCHAFT Patents By Year of Grant:	732	732
EASTMAN KODAK COMPANY Patents By Year of Grant:	712	712
SUN MICROSYSTEMS, INC. Patents By Year of Grant:	678	678
DENSO CORPORATION Patents By Year of Grant:	647	647
AGILENT TECHNOLOGIES, INC. Patents By Year of Grant:	645	645
MICROSOFT CORPORATION Patents By Year of Grant:	629	629
MOTOROLA, INC. Patents By Year of Grant:	563	563
DELPHI TECHNOLOGIES, INC. Patents By Year of Grant:	546	546
HONEYWELL INTERNATIONAL INC. Patents By Year of Grant:	535	535
LUCENT TECHNOLOGIES INC. Patents By Year of Grant:	534	534
RICOH COMPANY, LTD. Patents By Year of Grant:	531	531
SHARP KABUSHIKI KAISHA (SHARP CORPORATION) Patents By Year of Grant:	529	529
3M INNOVATIVE PROPERTIES COMPANY Patents By Year of Grant:	525	525
XEROX CORPORATION Patents By Year of Grant:	514	514
NORTEL NETWORKS CORPORATION Patents By Year of Grant:	496	496
HON HAI PRECISION IND. CO., LTD. Patents By Year of Grant:	486	486
LG ELECTRONICS INC. Patents By Year of Grant:	480	480
TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD. Patents By Year of Grant:	463	463
CISCO TECHNOLOGY, INC. Patents By Year of Grant:	433	433
SEAGATE TECHNOLOGY, LLC Patents By Year of Grant:	428	428
UNIVERSITY OF CALIFORNIA, THE REGENTS OF Patents By Year of Grant:	422	422

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
BOEING COMPANY Patents By Year of Grant:	420	420
PROCTER + GAMBLE COMPANY Patents By Year of Grant:	397	397
TELEFONAKTIEBOLAGET LM ERICSSON Patents By Year of Grant:	390	390
LSI LOGIC CORPORATION Patents By Year of Grant:	378	378
SANYO ELECTRIC CO., LTD. Patents By Year of Grant:	377	377
GENERAL MOTORS CORPORATION Patents By Year of Grant:	376	376
MURATA MANUFACTURING CO., LTD. Patents By Year of Grant:	373	373
NOKIA CORPORATION Patents By Year of Grant:	367	367
APPLIED MATERIALS, INC. Patents By Year of Grant:	360	360
BASF AKTIENGESELLSCHAFT Patents By Year of Grant:	343	343
HYNIX SEMICONDUCTOR INC. Patents By Year of Grant:	336	336
SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Patents By Year of Grant:	336	336
E. I. DU PONT DE NEMOURS AND COMPANY Patents By Year of Grant:	330	330
BAYER AKTIENGESELLSCHAFT Patents By Year of Grant:	329	329
UNITED STATES OF AMERICA, NAVY Patents By Year of Grant:	317	317
FORD GLOBAL TECHNOLOGIES, L.L.C. Patents By Year of Grant:	313	313
OKI ELECTRIC INDUSTRY CO., LTD. Patents By Year of Grant:	306	306
LG. PHILIPS LCD CO., LTD. Patents By Year of Grant:	304	304
KIMBERLY-CLARK WORLDWIDE, INC. Patents By Year of Grant:	301	301
BROADCOM CORPORATION Patents By Year of Grant:	299	299
ALCATEL Patents By Year of Grant:	288	288
QUALCOMM, INC. Patents By Year of Grant:	283	283

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
AGERE SYSTEMS INC. Patents By Year of Grant:	274	274
VISTEON GLOBAL TECHNOLOGIES, INC. Patents By Year of Grant:	273	273
TOYOTA JIDOSHA K.K. Patents By Year of Grant:	268	268
NEC ELECTRONICS CORPORATION Patents By Year of Grant:	264	264
NISSAN MOTOR COMPANY, LIMITED Patents By Year of Grant:	261	261
SCI-MED LIFE SYSTEMS, INC. Patents By Year of Grant:	250	250
PIONEER CORPORATION Patents By Year of Grant:	248	248
ALPS ELECTRIC CO., LTD. Patents By Year of Grant:	239	239
CORNING INCORPORATED Patents By Year of Grant:	235	235
NIKON CORPORATION Patents By Year of Grant:	228	228
TOKYO ELECTRON LIMITED Patents By Year of Grant:	223	223
NATIONAL SEMICONDUCTOR CORPORATION Patents By Year of Grant:	219	219
AT&T CORP. Patents By Year of Grant:	218	218
DAIMLER-CHRYSLER AKTIENGESELLSCHAFT Patents By Year of Grant:	217	217
ILLINOIS TOOL WORKS INC. Patents By Year of Grant:	216	216
MINOLTA CAMERA CO., LTD. Patents By Year of Grant:	210	210
HALLIBURTON ENERGY SERVICES, INC. Patents By Year of Grant:	209	209
SCHLUMBERGER TECHNOLOGY CORPORATION Patents By Year of Grant:	206	206
TDK CORPORATION Patents By Year of Grant:	204	204
YAZAKI CORP. Patents By Year of Grant:	202	202
HEIDELBERGER DRUCKMASCHINEN AG Patents By Year of Grant:	200	200
LOCKHEED MARTIN CORPORATION Patents By Year of Grant:	200	200

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
FUJI XEROX CO., LTD. Patents By Year of Grant:	198	198
PENTAX CORPORATION Patents By Year of Grant:	198	198
INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN Patents By Year of Grant:	197	197
KONICA CORPORATION Patents By Year of Grant:	194	194
GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY, LLC Patents By Year of Grant:	188	188
BELLSOUTH INTELLECTUAL PROPERTY CORPORATION Patents By Year of Grant:	185	185
3COM CORPORATION Patents By Year of Grant:	182	182
OLYMPUS CORPORATION Patents By Year of Grant:	180	180
THOMSON LICENSING S.A. Patents By Year of Grant:	180	180
MEDTRONIC INC. Patents By Year of Grant:	178	178
SUMITOMO ELECTRIC INDUSTRIES CO., LTD. Patents By Year of Grant:	177	177
RAYTHEON COMPANY Patents By Year of Grant:	176	176
CYPRESS SEMICONDUCTOR CORP. Patents By Year of Grant:	175	175
NORTHROP GRUMMAN CORPORATION Patents By Year of Grant:	175	175
CATERPILLAR INC. Patents By Year of Grant:	174	174
SILVERBROOK RESEARCH PTY. LTD Patents By Year of Grant:	172	172
SHELL OIL COMPANY Patents By Year of Grant:	170	170
SHIN ETSU CHEMICAL CO., LTD. Patents By Year of Grant:	166	166
BROTHER KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	165	165
NOKIA MOBILE PHONES LTD. Patents By Year of Grant:	165	165
PFIZER INC. Patents By Year of Grant:	164	164
SUMITOMO WIRING SYSTEMS, LTD., CO. Patents By Year of Grant:	164	164

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
MACRONIX INTERNATIONAL CO., LTD. Patents By Year of Grant:	162	162
STMICROELECTRONICS S.R.L. Patents By Year of Grant:	162	162
FURUKAWA ELECTRIC CO., LTD. Patents By Year of Grant:	160	160
DEERE + COMPANY Patents By Year of Grant:	158	158
SUMITOMO CHEMICAL COMPANY, LIMITED Patents By Year of Grant:	152	152
SAMSUNG SDI CO., LTD. Patents By Year of Grant:	150	150
STMICROELECTRONICS S.A. Patents By Year of Grant:	148	148
NGK INSULATORS LTD. Patents By Year of Grant:	144	144
GOODYEAR TIRE + RUBBER COMPANY Patents By Year of Grant:	143	143
SEIKO INSTRUMENTS INC. Patents By Year of Grant:	140	140
XILINK, INC. Patents By Year of Grant:	137	137
CALIFORNIA INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	135	135
FREESCALE SEMICONDUCTOR, INC. Patents By Year of Grant:	135	135
ROHM COMPANY LIMITED Patents By Year of Grant:	135	135
UNITED STATES OF AMERICA, ARMY Patents By Year of Grant:	134	134
MASSACHUSETTS INSTITUTE OF TECHNOLOGY Patents By Year of Grant:	132	132
PIONEER HI-BRED INTERNATIONAL, INC. Patents By Year of Grant:	130	130
DELL PRODUCTS, L.P. Patents By Year of Grant:	129	129
EMC CORPORATION Patents By Year of Grant:	129	129
L'OREAL S.A. Patents By Year of Grant:	128	128
NCR CORPORATION Patents By Year of Grant:	128	128
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Patents By Year of Grant:	127	127

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
SUMITOMO RUBBER INDUSTRIES, LTD. Patents By Year of Grant:	125	125
FUJINON CORPORATION (FORMERLY FUJI PHOTO OPTICAL CO. LTD.) Patents By Year of Grant:	124	124
BAKER HUGHES INCORPORATED Patents By Year of Grant:	123	123
EATON CORPORATION Patents By Year of Grant:	123	123
HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V. Patents By Year of Grant:	123	123
OLYMPUS OPTICAL CO., LTD. Patents By Year of Grant:	119	119
UNILEVER HOME & PERSONAL CARE USA, DIVISION OF CONOPCO, INC. Patents By Year of Grant:	119	119
ANALOG DEVICES, INC. Patents By Year of Grant:	118	118
mitsubishi heavy industries co., ltd. Patents By Year of Grant:	118	118
DEGUSSA AKTIENGESELLSCHAFT Patents By Year of Grant:	117	117
LEAR CORPORATION Patents By Year of Grant:	117	117
UNISYS CORPORATION Patents By Year of Grant:	117	117
UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES Patents By Year of Grant:	117	117
VIA TECHNOLOGIES, INC. Patents By Year of Grant:	116	116
PITNEY-BOWES, INC. Patents By Year of Grant:	115	115
DAI NIPPON PRINTING CO. LTD Patents By Year of Grant:	113	113
AISIN SEIKI KABUSHIKI KAISHA Patents By Year of Grant:	112	112
NSK LIMITED Patents By Year of Grant:	111	111
HYUNDAI MOTOR CO., LTD. Patents By Year of Grant:	110	110
ADVANCED CARDIOVASCULAR SYSTEMS, INC. Patents By Year of Grant:	109	109
ERICSSON, INC. Patents By Year of Grant:	109	109
YAMAHA CORPORATION Patents By Year of Grant:	109	109

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
INTERNATIONAL GAME TECHNOLOGY (IGT) Patents By Year of Grant:	108	108
LEXMARK INTERNATIONAL, INC. Patents By Year of Grant:	108	108
HYUNDAI ELECTRONICS INDUSTRIES CO., LTD. Patents By Year of Grant:	106	106
MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG Patents By Year of Grant:	106	106
WEATHERFORD/LAMB, INC. Patents By Year of Grant:	105	105
INTERDIGITAL TECHNOLOGY CORPORATION Patents By Year of Grant:	103	103
LAM RESEARCH CORPORATION Patents By Year of Grant:	103	103
SHARP LABORATORIES OF AMERICA, INC. Patents By Year of Grant:	103	103
TYCO ELECTRONICS CORPORATION Patents By Year of Grant:	103	103
STMICROELECTRONICS, INC. Patents By Year of Grant:	102	102
UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Patents By Year of Grant:	102	102
NAN YA TECHNOLOGY CORPORATION Patents By Year of Grant:	100	100
UNIVERSITY OF TEXAS Patents By Year of Grant:	99	99
CIBA SPECIALTY CHEMICALS CORPORATION Patents By Year of Grant:	98	98
BRISTOL-MYERS SQUIBB COMPANY Patents By Year of Grant:	96	96
EBARA CORPORATION Patents By Year of Grant:	96	96
MINEBEA KABUSHIKI-KAISHA (MINEBEA CO., LTD) Patents By Year of Grant:	96	96
WINBOND ELECTRONICS CORP. Patents By Year of Grant:	96	96
ADC TELECOMMUNICATIONS, INC. Patents By Year of Grant:	95	95
KAO KABUSHIKI KAISHA (KAO CORPORATION) Patents By Year of Grant:	95	95
ACUSHNET COMPANY Patents By Year of Grant:	94	94
APPLE COMPUTER, INC. Patents By Year of Grant:	94	94

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
JOHNS HOPKINS UNIVERSITY Patents By Year of Grant:	94	94
ORACLE INTERNATIONAL CORPORATION Patents By Year of Grant:	94	94
DAIMLERCHRYSLER CORPORATION Patents By Year of Grant:	93	93
ASAHI GLASS COMPANY, LTD. Patents By Year of Grant:	92	92
BRIDGESTONE CORPORATION Patents By Year of Grant:	92	92
DOW GLOBAL TECHNOLOGIES INC. Patents By Year of Grant:	92	92
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY Patents By Year of Grant:	92	92
MOLEX INCORPORATED Patents By Year of Grant:	92	92
NGK SPARK PLUG CO., LTD. Patents By Year of Grant:	90	90
HARRIS CORP. Patents By Year of Grant:	89	89
NITTO DENKO CORPORATION Patents By Year of Grant:	89	89
COMMISSARIAT A L'ENERGIE ATOMIQUE Patents By Year of Grant:	88	88
EXXONMOBIL CHEMICAL PATENTS INC. Patents By Year of Grant:	88	88
TOYODA GOSEI KABUSHIKI KAISHA Patents By Year of Grant:	88	88
APPLERA CORPORATION Patents By Year of Grant:	87	87
CARDIAC PACEMAKERS, INC. Patents By Year of Grant:	87	87
DELTA ELECTRONICS INC. Patents By Year of Grant:	87	87
ALTERA CORPORATION Patents By Year of Grant:	86	86
DANA CORPORATION Patents By Year of Grant:	86	86
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE Patents By Year of Grant:	86	86
OMRON CORPORATION Patents By Year of Grant:	86	86
ROHM AND HAAS COMPANY Patents By Year of Grant:	86	86

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
SHOWA DENKO KABUSHIKI KAISHA Patents By Year of Grant:	86	86
SPRINT COMMUNICATIONS COMPANY L.P. Patents By Year of Grant:	86	86
VICTOR COMPANY OF JAPAN, LIMITED Patents By Year of Grant:	86	86
WESTERN DIGITAL TECHNOLOGIES, INC. Patents By Year of Grant:	85	85
ASTRAZENECA AB Patents By Year of Grant:	84	84
WYETH Patents By Year of Grant:	84	84
ITT MANUFACTURING ENTERPRISES, INC. Patents By Year of Grant:	83	83
MILLIKEN & COMPANY Patents By Year of Grant:	83	83
NIPPON SHEET GLASS CO., LTD. Patents By Year of Grant:	82	82
AVAYA TECHNOLOGY CORP. Patents By Year of Grant:	81	81
CHARTERED SEMICONDUCTOR MANUFACTURING PTE LTD Patents By Year of Grant:	81	81
FUJI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	81	81
PACESETTER, INC. Patents By Year of Grant:	81	81
SHIPLEY COMPANY INC. Patents By Year of Grant:	81	81
SYMBOL TECHNOLOGIES, INC. Patents By Year of Grant:	81	81
BEN Q CORPORATION Patents By Year of Grant:	80	80
INSTITUT FRANCAIS DU PETROLE Patents By Year of Grant:	79	79
SONY COMPUTER ENTERTAINMENT INC. Patents By Year of Grant:	79	79
AU OPTRONICS CORP. Patents By Year of Grant:	78	78
NOVARTIS AG (FORMERLY SANDOZ LTD.) Patents By Year of Grant:	78	78
SAMSUNG ELECTRO-MECHANICS CO., LTD. Patents By Year of Grant:	78	78
SMITHKLINE BEECHAM CORPORATION Patents By Year of Grant:	78	78

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
CARRIER CORPORATION		
Patents By Year of Grant:	77	77
UNITED MICROELECTRONICS CORPORATION		
Patents By Year of Grant:	77	77
DAIKIN INDUSTRIES LIMITED		
Patents By Year of Grant:	76	76
HILTI AKTIENGESELLSCHAFT		
Patents By Year of Grant:	75	75
SKYWORKS SOLUTIONS, INC.		
Patents By Year of Grant:	75	75
STANFORD UNIVERSITY, LELAND JUNIOR, THE BOARD OF TRUSTEES OF		
Patents By Year of Grant:	75	75
BLACK & DECKER INC.		
Patents By Year of Grant:	74	74
FUJI ELECTRIC CO., LTD.		
Patents By Year of Grant:	74	74
NEC LCD TECHNOLOGIES, LTD.		
Patents By Year of Grant:	74	74
ADVANTEST CORP.		
Patents By Year of Grant:	73	73
HILL-ROM COMPANY, INC.		
Patents By Year of Grant:	73	73
STORAGE TECHNOLOGY CORPORATION		
Patents By Year of Grant:	73	73
AIR PRODUCTS AND CHEMICALS, INC.		
Patents By Year of Grant:	72	72
AKZO NOBEL NV		
Patents By Year of Grant:	72	72
BATTELLE MEMORIAL INSTITUTE		
Patents By Year of Grant:	72	72
EMERSON ELECTRIC CO.		
Patents By Year of Grant:	72	72
MAYTAG CORPORATION		
Patents By Year of Grant:	72	72
METSO PAPER, INC.		
Patents By Year of Grant:	72	72
MITSUI CHEMICALS, INCORPORATED		
Patents By Year of Grant:	72	72
AGFA-GEVAERT N.V.		
Patents By Year of Grant:	71	71
BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION, INC.		
Patents By Year of Grant:	71	71
BECTON, DICKINSON AND COMPANY		
Patents By Year of Grant:	71	71

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V. Patents By Year of Grant:	71	71
UNI-CHARM CORPORATION Patents By Year of Grant:	71	71
KABUSHIKI KAISHA TOYOTA JIDOSHOKKI Patents By Year of Grant:	70	70
SANDIA CORPORATION Patents By Year of Grant:	70	70
KOMATSU LTD. Patents By Year of Grant:	68	68
SIEMENS WESTINGHOUSE POWER CORPORATION Patents By Year of Grant:	68	68
UOP Patents By Year of Grant:	68	68
ALSTOM TECHNOLOGY LTD Patents By Year of Grant:	67	67
HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA) Patents By Year of Grant:	67	67
PPG INDUSTRIES OHIO INC. Patents By Year of Grant:	67	67
AJINOMOTO COMPANY INCORPORATED Patents By Year of Grant:	66	66
UNIVERSITY OF MICHIGAN Patents By Year of Grant:	66	66
ABBOTT LABORATORIES Patents By Year of Grant:	65	65
CHEVRON U.S.A. INC. Patents By Year of Grant:	65	65
NIPPON SHOKUBAI CO., LTD. Patents By Year of Grant:	65	65
NIPPON TELEGRAPH & TELEPHONE CORP. Patents By Year of Grant:	65	65
ASML NETHERLANDS B.V. Patents By Year of Grant:	64	64
NETWORK ASSOCIATES, INC. Patents By Year of Grant:	64	64
WISCONSIN ALUMNI RESEARCH FOUNDATION Patents By Year of Grant:	64	64
HOFFMANN-LA ROCHE INC. Patents By Year of Grant:	63	63
HOYA CORPORATION Patents By Year of Grant:	63	63
KOITO MANUFACTURING COMPANY LIMITED Patents By Year of Grant:	63	63

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<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
RAMBUS, INC. Patents By Year of Grant:	63	63
GENENTECH, INC. Patents By Year of Grant:	62	62
BORGWARNER INC. Patents By Year of Grant:	61	61
FAIRCHILD SEMICONDUCTOR CORPORATION Patents By Year of Grant:	61	61
MAXTOR CORPORATION Patents By Year of Grant:	61	61
ROCKWELL AUTOMATION TECHNOLOGIES, INC. Patents By Year of Grant:	61	61
ETHICON, INC. Patents By Year of Grant:	60	60
INTERNATIONAL RECTIFIER CORPORATION Patents By Year of Grant:	60	60
PORSCHE AG Patents By Year of Grant:	60	60
SIEMENS VDO AUTOMOTIVE CORPORATION Patents By Year of Grant:	60	60
ZAHNRADFABRIK FRIEDRICHSHAFEN AG Patents By Year of Grant:	60	60
ATI INTERNATIONAL SRL Patents By Year of Grant:	59	59
ELI LILLY AND COMPANY Patents By Year of Grant:	59	59
PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUHLAMPEN MBH Patents By Year of Grant:	59	59
FORD MOTOR COMPANY Patents By Year of Grant:	58	58
GATEWAY 2000, INC. Patents By Year of Grant:	58	58
MERCK + CO., INC. Patents By Year of Grant:	58	58
MICHELIN RECHERCHE ET TECHNIQUE Patents By Year of Grant:	58	58
MITSUMI ELECTRIC CO., LTD. Patents By Year of Grant:	58	58
NOKIA NETWORKS OY Patents By Year of Grant:	58	58
NTN CORPORATION Patents By Year of Grant:	58	58
SIEMENS INFORMATION AND COMMUNICATIONS NETWORKS, INC. Patents By Year of Grant:	58	58

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<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
TAKATA CORPORATION Patents By Year of Grant:	58	58
UNIVERSITY OF ILLINOIS Patents By Year of Grant:	58	58
WARNER-LAMBERT COMPANY Patents By Year of Grant:	58	58
ISIS PHARMACEUTICALS, INC. Patents By Year of Grant:	57	57
KANEKA CORPORATION Patents By Year of Grant:	57	57
KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY Patents By Year of Grant:	57	57
OSRAM SYLVANIA INC. Patents By Year of Grant:	57	57
PHARMACIA & UPJOHN COMPANY Patents By Year of Grant:	57	57
SHIMANO INC. Patents By Year of Grant:	57	57
TEKTRONIX INC. Patents By Year of Grant:	57	57
TOKAI RIKI DENKI SEISAKUSHO K.K. Patents By Year of Grant:	57	57
AMKOR TECHNOLOGY, INC. Patents By Year of Grant:	56	56
ASAHI KASEI KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	56	56
FUNAI ELECTRIC CO., LTD. Patents By Year of Grant:	56	56
KLA-TENCOR TECHNOLOGIES CORP. Patents By Year of Grant:	56	56
NESTEC, S.A. Patents By Year of Grant:	56	56
PHARMACIA CORPORATION Patents By Year of Grant:	56	56
ADVANCED SEMICONDUCTOR ENGINEERING, INC. Patents By Year of Grant:	55	55
CADENCE DESIGN SYSTEMS, INC. Patents By Year of Grant:	55	55
CITIZEN WATCH CO., LTD. Patents By Year of Grant:	55	55
KOENIG + BAUER AKTIENGESELLSCHAFT Patents By Year of Grant:	55	55
NEXPRESS SOLUTIONS LLC Patents By Year of Grant:	55	55

Organizational Patenting (Granted: Jan 01, 2004 - Dec 31, 2004)
Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
AVERY DENNISON CORPORATION Patents By Year of Grant:	54	54
HUGHES ELECTRONICS CORP. Patents By Year of Grant:	54	54
KOYO SEIKO COMPANY, LTD. Patents By Year of Grant:	54	54
MATSUSHITA ELECTRIC WORKS, LTD. Patents By Year of Grant:	54	54
ROLLS-ROYCE PLC Patents By Year of Grant:	54	54
SILICON GRAPHICS, INC. Patents By Year of Grant:	54	54
SPX CORPORATION Patents By Year of Grant:	54	54
UNITED TECHNOLOGIES CORPORATION Patents By Year of Grant:	54	54
AVENTIS PHARMA DEUTSCHLAND GMBH Patents By Year of Grant:	53	53
EASTMAN CHEMICAL COMPANY Patents By Year of Grant:	53	53
JSR CORPORATION Patents By Year of Grant:	53	53
NOVELLUS SYSTEMS, INC. Patents By Year of Grant:	53	53
ROCKWELL COLLINS, INC. Patents By Year of Grant:	53	53
SIEMENS VDO AUTOMOTIVE, INC. Patents By Year of Grant:	53	53
SILICONWARE PRECISION INDUSTRIES CO., LTD. Patents By Year of Grant:	53	53
AVANEX CORPORATION Patents By Year of Grant:	52	52
BAYERISCHE MOTOREN WERKE AG Patents By Year of Grant:	52	52
COLUMBIA UNIVERSITY Patents By Year of Grant:	52	52
CORNING CABLE SYSTEMS LLC Patents By Year of Grant:	52	52
DIGIMARC CORPORATION Patents By Year of Grant:	52	52
SOUTHPAC TRUST INTERNATIONAL, INC. Patents By Year of Grant:	52	52
DAINIPPON SCREEN MFG. CO., LTD. Patents By Year of Grant:	51	51

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
IDEMITSU PETROCHEMICAL COMPANY LTD. Patents By Year of Grant:	51	51
INTERNATIONAL TRUCK INTELLECTUAL PROPERTY COMPANY L.L.C. Patents By Year of Grant:	51	51
MITSUBISHI ELECTRIC RESEARCH LABORATORIES, INC. Patents By Year of Grant:	51	51
SANDVIK AKTIEBOLAG Patents By Year of Grant:	51	51
TRW INC. Patents By Year of Grant:	51	51
WESTERN DIGITAL (FREMONT), INC. Patents By Year of Grant:	51	51
CALLAWAY GOLF COMPANY Patents By Year of Grant:	50	50
CONEXANT SYSTEMS, INC. Patents By Year of Grant:	50	50
GENERAL INSTRUMENT CORPORATION Patents By Year of Grant:	50	50
HRL LABORATORIES, LLC Patents By Year of Grant:	50	50
JDS UNIPHASE CORPORATION Patents By Year of Grant:	50	50
TERADYNE, INC. Patents By Year of Grant:	50	50
YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD. Patents By Year of Grant:	50	50
CONTINENTAL TEVES AG & CO., OHG Patents By Year of Grant:	49	49
KAWASAKI JUKOGYO KABUSHIKI KAISHA Patents By Year of Grant:	49	49
MATTEL INC. Patents By Year of Grant:	49	49
MILLENNIUM PHARMACEUTICALS, INC. Patents By Year of Grant:	49	49
CIENA CORPORATION Patents By Year of Grant:	48	48
KOBE STEEL LTD. Patents By Year of Grant:	48	48
MITSUBISHI CHEMICAL CORPORATION Patents By Year of Grant:	48	48
SYMYX TECHNOLOGIES, INC. Patents By Year of Grant:	48	48
UNITED STATES OF AMERICA, AIR FORCE Patents By Year of Grant:	48	48

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
DOW CORNING CORPORATION Patents By Year of Grant:	47	47
FITEL U.S.A. CORP. Patents By Year of Grant:	47	47
HUMAN GENOME SCIENCES, INC. Patents By Year of Grant:	47	47
LATTICE SEMICONDUCTOR CORPORATION Patents By Year of Grant:	47	47
MAZDA MOTOR CORPORATION Patents By Year of Grant:	47	47
SNECMA MOTEURS Patents By Year of Grant:	47	47
UT-BATTELLE, LLC Patents By Year of Grant:	47	47
YAMAHA MARINE KABUSHIKI KAISHA Patents By Year of Grant:	47	47
ALLERGAN, INC. Patents By Year of Grant:	46	46
BAXTER INTERNATIONAL INC. Patents By Year of Grant:	46	46
CONOCOPHILLIPS COMPANY Patents By Year of Grant:	46	46
ECOLAB INC. Patents By Year of Grant:	46	46
FINISAR CORPORATION, INC. Patents By Year of Grant:	46	46
KABUSHIKI KAISHA TOPCON Patents By Year of Grant:	46	46
L&P PROPERTY MANAGEMENT COMPANY Patents By Year of Grant:	46	46
PARKER-HANNIFIN CORPORATION Patents By Year of Grant:	46	46
SARNOFF CORPORATION & CO., LTD. Patents By Year of Grant:	46	46
SCHOTT GLASWERKE Patents By Year of Grant:	46	46
AISIN AW CO., LTD. Patents By Year of Grant:	45	45
ANDREW CORPORATION Patents By Year of Grant:	45	45
ATOFINA Patents By Year of Grant:	45	45
AUTOLIV ASP, INC. Patents By Year of Grant:	45	45

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
BASF CORP. Patents By Year of Grant:	45	45
BAUSCH & LOMB, INC. Patents By Year of Grant:	45	45
BRIDGESTONE SPORTS CO., LTD. Patents By Year of Grant:	45	45
CASE CORPORATION Patents By Year of Grant:	45	45
DELAWARE CAPITAL FORMATION, INC. Patents By Year of Grant:	45	45
JFE STEEL CORPORATION Patents By Year of Grant:	45	45
SANKYO SEIKI MFG. CO., LTD. Patents By Year of Grant:	45	45
BRISTOL-MYERS SQUIBB PHARMA COMPANY Patents By Year of Grant:	44	44
CIRRUS LOGIC, INC. Patents By Year of Grant:	44	44
FCI AMERICAS TECHNOLOGY, INC. Patents By Year of Grant:	44	44
FUJIKURA LTD. Patents By Year of Grant:	44	44
HANNSTAR DISPLAY CORP. Patents By Year of Grant:	44	44
MINDSPEED TECHNOLOGIES, INC. Patents By Year of Grant:	44	44
MITSUBISHI JIDOSHA KOGYO KABUSHIKI KAISHA Patents By Year of Grant:	44	44
NORDSON CORPORATION Patents By Year of Grant:	44	44
OUTOKUMPU OYJ Patents By Year of Grant:	44	44
PROMOS TECHNOLOGIES, INC. Patents By Year of Grant:	44	44
SCHERING CORP. Patents By Year of Grant:	44	44
TORAY INDUSTRIES INC. Patents By Year of Grant:	44	44
ASMO CO., LTD. Patents By Year of Grant:	43	43
AUTONETWORKS TECHNOLOGIES, LTD. Patents By Year of Grant:	43	43
HITACHI KOKUSAI ELECTRIC INC. Patents By Year of Grant:	43	43

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
INTERSIL AMERICAS INC. Patents By Year of Grant:	43	43
KODAK POLYCHROME GRAPHICS, LLC Patents By Year of Grant:	43	43
KYOCERA CORPORATION Patents By Year of Grant:	43	43
NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION Patents By Year of Grant:	43	43
UNIVERSITY OF MINNESOTA, THE REGENTS OF Patents By Year of Grant:	43	43
ADOBE SYSTEMS, INC. Patents By Year of Grant:	42	42
ATT WIRELESS SERVICES INC Patents By Year of Grant:	42	42
COGNIS DEUTSCHLAND GMBH & CO. KG Patents By Year of Grant:	42	42
DAICEL CHEMICAL INDUSTRIES LTD. Patents By Year of Grant:	42	42
DONNELLY CORPORATION Patents By Year of Grant:	42	42
HAMAMATSU PHOTONICS KABUSHIKI KAISHA Patents By Year of Grant:	42	42
IMATION CORP. Patents By Year of Grant:	42	42
NORTH CAROLINA STATE UNIVERSITY Patents By Year of Grant:	42	42
NVIDIA CORPORATION Patents By Year of Grant:	42	42
SEMITOOL, INC. Patents By Year of Grant:	42	42
ALCOA INC. Patents By Year of Grant:	41	41
BRUNSWICK CORPORATION Patents By Year of Grant:	41	41
HARVARD COLLEGE, PRESIDENT AND FELLOWS Patents By Year of Grant:	41	41
JAPAN SCIENCE AND TECHNOLOGY CORPORATION Patents By Year of Grant:	41	41
KONAMI CO., LTD. Patents By Year of Grant:	41	41
KURARAY CO., LTD. Patents By Year of Grant:	41	41
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY Patents By Year of Grant:	41	41

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Ranked List of Organizations with 40 or More Utility Patents Received in CY2004

<u>ORGANIZATION</u>	<u>2004</u>	<u>TOTAL</u>
NIPPON STEEL CORP. Patents By Year of Grant:	41	41
SAMSUNG KWANG-JU ELECTRONICS CO., LTD. Patents By Year of Grant:	41	41
SBC PROPERTIES, L.P. Patents By Year of Grant:	41	41
SDGI HOLDINGS, INC. Patents By Year of Grant:	41	41
SIEMENS MEDICAL SOLUTIONS USA, INC. Patents By Year of Grant:	41	41
TEIJIN LIMITED Patents By Year of Grant:	41	41
TETRA LAVAL HOLDINGS & FINANCE S.A. Patents By Year of Grant:	41	41
USHIO DENKI KABUSHIKI KAISYA Patents By Year of Grant:	41	41
ZF SACHS AG Patents By Year of Grant:	41	41
CORNELL RESEARCH FOUNDATION INC. Patents By Year of Grant:	40	40
GENERAL HOSPITAL CORPORATION Patents By Year of Grant:	40	40
NATIONAL RESEARCH COUNCIL OF CANADA Patents By Year of Grant:	40	40
PRAXAIR TECHNOLOGY, INC. Patents By Year of Grant:	40	40
QUANTA COMPUTER INC. Patents By Year of Grant:	40	40
S. C. JOHNSON + SON, INC. Patents By Year of Grant:	40	40
SCIENCE APPLICATIONS INTERNATIONAL CORPORATION Patents By Year of Grant:	40	40
SIEMENS AUTOMOTIVE CORPORATION Patents By Year of Grant:	40	40
UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY Patents By Year of Grant:	40	40
UNIVERSITY OF CHICAGO Patents By Year of Grant:	40	40
Other Organizations (25226) Patents By Year of Grant:	65650	65650